

100-2347

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27 December 1961

MEMORANDUM FOR THE RECORD

SUBJECT: Added Tests for U-2 Vehicle

1. The U-2 presently assigned for flight tests of the IIS could be advantageously used for the following additional tests concurrently with the IIS tests:

(a) Flight tests of the ARC 50 UHF radio which is proposed for ORCAET. Flight checks, rendezvous capability and reliability are suggested as development items of prime importance.

(b) The flight tests of PWA 523 fuel. This will verify IFR transfer capability, effects on the KC 135 fuel system and, of lesser import, fuel effects on the J-75 and J-57 engines. Although IAC is conducting ground runs with PWA 523 in the J-75, airborne testing is also desirable. This will also get the tanker capability for handling and dispensing PWA 523 fuel initiated at an opportune time. If possible, an ARC-50 should also be installed in the KC-135 for solution of the rendezvous problem.

2. The obvious requirement of qualifying equipment and procedures to the maximum degree possible prior to or concurrent with A-12 flight tests will provide for earlier overall A-12 system qualification. Our fullest support of efforts in this direction is essential.

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